

Cracklin' Static

April 2022 Edition



***In-Person and
Zoom Virtual
Meeting Sat April
2, 8 AM
See pg 4....***

SNARS NET on DMR – Tuesdays 8pm
DMR Talk Group: 31328 SNARS

SNARS Treasury Closing Balances

Account	As of 3/27/22
Operating	\$9652
Savings	\$10599
Self Insurance	\$14170
PayPal	\$2451
Convention	\$4212
Total	\$41084

Net Monthly	\$502
Net YTD	-\$6155

Membership	
Renewals	22

SNARS Membership as of 3-27-22

Extra	156	33%
General	128	27%
Technician	163	35%
Advanced	16	3%
No License	9	2%
Total	472	

SNARS ARRL Members

Regular	275	58%
Life	41	9%

PRESIDENT'S VOICE

President John Miller, N7JDM

Email: jmil912@gmail.com

Greetings once again. I hope everyone is well. March is almost behind us and Mother Nature is teasing us with some springlike weather. Hopefully, as bad as we need the moisture, the snow will begin to melt and allow work at the various repeater sites to get on.



The big news is we will be having our first in person meeting on April 2 at the Ramada Inn in Reno. We've been working with them to arrange a meeting for about a month now. The Ramada is finishing up a renovation to the hotel and it looks very nice. Measures have been taken to make visitors stay comfortable and pleasant and it should be a good meeting.

Breakfast will be buffet style with eggs, breakfast meat, sides, and the usual continental offerings. With the rise in costs across the board, the \$16 price for the buffet doesn't seem at all out of line.

Breakfast begins at 8 AM, with the business meeting starting at 9 AM. The address is 1000 E 6th, street in Reno, just off Wells Ave. See you there! ***(Editor's note: See page 4 for details on registering for the in-person breakfast/meeting, and the Zoom virtual meeting)***

73, John N7JDM



PO BOX 7727 Reno NV 89510
Yearly Dues: \$40.00 Individual • \$50.00 Family
775.453.4142 <http://snars.org>

2022 Officers

President.....John Miller N7JDM
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Secretary.....Anthony Marcin, W7XM
DirectorWes Vick, KG7QXE
DirectorJim Shepherd, W6US
DirectorBarry Bettman, K6ST

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Cracklin Static Publication

Editor: Howie Holden WB2AWQ - holden7471@msn.com
Cracklin' Static is the Newsletter of, and sponsored by the Sierra Nevada Amateur Radio Society. Cracklin' Static is published the week before meetings. Opinions expressed herein are those of the editors and contributors and should not be considered as official expressions of the Club Officers, Staff or Club Members, or as endorsements by same.

Material for publication may be edited to enhance readability or to save space. We reserve the right to use whatever font size, line spacing or other tools as may be required to publish this Newsletter. **Deadline for input to the newsletter is 1500 hours on the Sunday** prior to the 1st Saturday (or whichever Saturday is the meeting) of each month.

SNARS Wide Area Linked System

147.030 + PL 123.0	Sparks, Fernley, Fallon	Online
147.210 + PL 100.0	Reno, Sparks	Online
147.150 + PL 123.0	Lake Tahoe, Truckee, Carson	Online
146.925 - PL 123.0	Lovelock, Fallon	Online
146.670 - PL 123.0	Winnemucca	Online
444.875 + PL 100.0	Yerington	Not Linked
444.125 + PL 123.0	Reno Sparks	Offline

DMR Systems

444.925 + CC 1	Reno, Sparks	Online
444.825 + CC 1	Dayton, Fallon, Carson	Online
443.925 + CC 1	Lake Tahoe, Truckee, Carson	Online
443.950 + CC 1	Incline Village	Offline
442.875 + CC 1	Sparks, Fernley, Fallon	Not Linked
442.850 + CC 1	Downtown Reno	Online
441.950 + CC 1	Fallon, Fernley	Offline

Fusion Systems

146.610 - PL 123.0	Reno, Carson, Dayton	Online
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IRLP / EchoLink Systems

147.300 + PL 123.0	Reno, Sparks	Online
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Packet / APRS

145.050 - RNO	Reno, Carson, Dayton	Online
145.050 - ROSE	Lake Tahoe, Truckee, Carson	Online
144.390 - TOULON	Lovelock, Fallon	Offline

Standalone Systems

147.390 + PL 100.0	Reno, Carson, Dayton	Online
443.075 + PL 123.0	Reno, Carson, Dayton	Online
927.0875 + PL 114.8	Reno, Carson, Dayton	Online

Online Offline Not Linked

NOTE: The status of repeaters is NOT up to date on this page. Check with the SNARS website for repeater status.

Weekday on the SNARS Linked System

147.030 + PL 123 – Sparks/Fernley
 147.150 + PL123.0 – Lake Tahoe / Truckee
 147.210 + PL 100.0 - Reno
 444.875 + PL 100.0 - Yerington
 146.925 - 123.0 – Lovelock / Fallon
 146.67 – PL 123.0 - Winnemucca

Monday through Friday @ 12:00pm

Open to all amateur radio operators. A general informational net for the amateur radio community of Northern Nevada and Eastern California. Radio Checks and Questions are welcomed.

Nets on the SNARS Linked Systems

147.210 + 100.0 | 147.030 + 123.0 | 147.150 + 123.0
 147.670 – 123.0 | 146.925 – 123.0 | 444.875 + 100.0

ERC Net for NV and Northern CA	Monday @ 9:15pm
N. Western NV ARES Net	Thursday at 7:30pm
Northern Nevada Preppers Net	Wednesday @ 8:00PM
Hospital Net	Friday @ 10:00AM

Nets on IRLP (GSR) System

Repeater: 147.300 + 123.0

Amateur Radio Newline	Monday - 8:00PM
Nevada Skywarn Net	Wednesday - 7:00pm

Nets on Simplex/HF

Jefferson Noon Net	7.204 LSB	Daily - 12:00pm
6 Meter Net	50.350 USB	Tuesday – 8:00pm
2 Meter Weak Signal	144.250 USB	Wednesday - 8:00PM
2 Meter Simplex Net	146.500 FM	Thursday – 8:00PM
10 Meter Net	28.350 USB	Sunday – 2:00PM

SNARS Weekly DMR Net – Tuesdays
8:00PM

SNARS Talk Group 31328

Open to Members and Guests. A general information net each week on DMR.

SNARS CALENDAR

SNARS Board Meeting Wednesday, Apr 12, 6:00PM.
 Location and mode Chin Chin, Sparks, and Zoom

HAM RADIO NIGHT on Zoom 7:00 PM , April 18, 2022
 see <https://snars.org/hamradionight/>

Reno QRP Group Meeting Tue, April 19, 2022, 11am – 12pm Jack's Coffee Shop #2, 605 N Wells Ave, Reno, NV
 Contact Ed, WD7Y WD7Y@sbcglobal.net for more info.
 If cancellation is needed, will be announced on the SNARS noon net.

Next months SNARS Breakfast Meeting May 7, 8 AM 2022. Location and media mode tentative depending on Board decision and local restrictions.

WELCOME NEW MEMBERS

As of 3-27-22

Dudley	Meyer	K6ATY
Catherine	Kerns	SWL
Jere	Schultz	K7BXB
Roger	Huff	KT6RYB
Cecil	Arnold	KJ7VGO
Adam	Joy	W3AWJ
Steven	Tillman	KK7DTW
Michael	Browett	KJ7MSS
Tyler	Ebel	KJ7AJA

SNARS In-Person and Virtual Monthly Meeting

**SNARS (hybrid in-person & virtual zoom) Monthly
Meeting on Saturday April 2, 2022 8AM Breakfast /
9AM Meeting**

In-Person @Ramada Hotel limited to 75 people - or - join us via zoom

PRESENTATION:
Allstar / Clearnode
Systems with Tom
NN6H



**MEETING
NOTICE!**

To join In-Person (by **WEDNESDAY**, please) or via Zoom, register here:
<https://form.jotform.com/220857893502058>

Questions? Contact Barry K6ST@arrl.net

(NOTE NEW MEETING START TIME: 9AM)

THE NAME OF THE GAME

Jim Shepherd, W6US nvjims@gmail.com

7TH AREA QSO PARTY

The 7QP is an amateur radio QSO party, held annually on the first Saturday in May. That's May 7 this year. The stations of the US 7th call area (Arizona, Idaho, Montana, Nevada, Oregon, Utah, Washington, and Wyoming) become "the pursued", and the rest of the US, Canada, and the world tries to work as many of us, on as many bands/modes as possible, over an 18-hour period commencing at 6:00am PDT (1300 UTC) and running to Midnight local time. The idea is to work as many 7 stations by the rest of the world, and for those of us in the 7 call area to work as much of the rest of the world as you can. 160, 80, 40, 20, 15, and 10 meters are the bands to use. There are 259 counties in the 7th call zone available to all.

This year, we are again going to have a QSO party of our own in October, and the 7QP will be an excellent opportunity to get some practice in before our big party!

Operate from home, mobile, or dust off the Field Day gear and get on the air from a rare county or a county line where you can operate from two or more counties at once and get extra points! There are 54 multi county locations in Nevada not counting the stateline locations with the other 7th area states. Please plan on making a few or a whole bunch of contacts, just be sure to mark May 7 on your calendar! Yes, that is the SNARS meeting date, but you can work the contest the rest of the day.

We are trying to get all 17 Nevada counties on the air. Go portable and blow the carbon out of the generator or stay home and try out that new wire antenna. Or you can go mobile and activate several counties in your area. Visit the 7QP website: www.7qp.org for additional information and the full rules. May is a good time for an early camping trip out to some of the less populated rural counties. Humboldt, Mineral, Nye, Carson, Elko, Lincoln, and Eureka counties can really use some help with contacts. You can work these from county line locations along I-80 or other highways across the state, and make twice the contacts at once. The free campgrounds at Walker Lake will give you some spectacular views, wildflowers, bighorn sheep, and you can use the lake for a big "radial field" giving you an excellent signal to the east where you will make most of your contacts. Do not overlook the junctions of Nevada counties and other '7' states for interesting expedition operations.

Contacts can be made using SSB, CW, and Digital modes and each mode counts as a different contact. You can also contact the same station on different bands for credit. You can use 160, 80, 40, 20, 15, and 10 meters.. CW and digital contacts will be highly appreciated as the CW count 3 points and the digital modes count 4 points... PSK31 and RTTY will be the best way to go to get those extra QSO points, sorry you can't use the WSJT-X modes. All the counties in Nevada can use more CW and Digital operations for this contest. Those members of FISTS and QCWA also need to activate all the counties on CW with lots of operations. The more stations active in each county on different modes will make a better contest for everyone. Don't worry if you see someone else has signed up for a county, all of our counties are big enough for lots of operations!

Countyline expedition operations are especially welcomed! With a good antenna, you will have the opportunity to make tons of contacts. There are 35 spots where 3 counties come together, with most having roads

within 500'. Others will require some hiking and would be best for QRP operation like you would do for SOTA. Incidentally, if you are at a location that qualifies for SOTA or POTA, you can give that information at the same time to get an activation! If you are interested in setting up a countyline operation, please contact me as I have a list of really good spots! For example, there is a little hill that a road crosses that combines two low activity counties that will make a good weekend stay with the possibility of finding some petrified wood samples.

If you plan to participate, even for a little while, do two things. First, you can see the activity on the [Planned Operations](#) tab on the 7QP page. Then, send your projected operation location(s) to www.7qpops@codxc.org giving them information on modes and if you will be a mobile (rover) station. That way they can track the counties that will be covered and we can try to find someone to go out to the counties that are not. Even if the county is covered, digital and CW operators are really encouraged to also go out there... Second, email them a copy of your log when you are finished. Either Cabrillo (preferred) or ADIF format will work. Even better, use their new web entry site at <https://7qp.contesting.com/>. Your log helps them score the contest and automatically enters you – no summary sheet required for email or web entries. See their webpage for more information on uploading your log.

The exchange is easy... Just give a '59' signal report and if you are operating in the 7 call zone, your county code. For Washoe, it is NVWAS, for Storey, it is NVSTO... If you are outside of the 7 call zone, you give a '59'signal report and your 2 digit state abbreviation. There are special rules for county line stations, and you may get a report from one of the eastern states that are also having a QSO party. Be sure to give the 5 digit county abbreviation, i.e. NVCAR, and give it phonetically on phone. Also be sure to give your callsign with each exchange, especially if you are running. See the complete rules on their website for more information and a full list of county abbreviations. For a countyline station your report would be like "59 NVHUM/ELK" and phonetically that would be "59 November Victor Hotel Uniform Mike SLASH Echo Lima Kilo"

There are a couple of other QSO parties that weekend so there is a lot of activity. The N1MM Logger will handle all of the contests at the same time so you only have to send copies of your Cabrillo log to each of the different sponsors. New England, Indiana and Delaware are currently the other states—be sure to check their rules if you intend to play with them. Also, be sure to update your copy of N1MM so that it has the latest version. There are ways to log all 4 contests correctly since there will be lots of activity on the bands.

In October, we will have the Nevada QSO party and we will need veteran operators in all the counties and on all of the modes. We will have a special VHF class that will allow the use of repeaters which will get a lot more people involved. Check out our website at <http://nvqso.com/> and look for updates over the coming months.

Nevada is a semi-rare state and some of the counties are very hard to work. These two contests will help to fill some holes in the logbooks. A good turnout for the 7QP will help with increased participation for our NVQSO Party and will show the world that we actually have active hams here in Nevada!

MIKE'S MISSIVES CHAPTER SIXTY FIVE

Mike Katz, N7MSK

SEC. 97.17 APPLICATION FOR NEW LICENSE GRANT.

(a) Any qualified person is eligible to apply for a new operator/primary station, club station or military recreation station license grant. No new license grant will be issued for a Novice, Technician Plus, or Advanced Class operator/primary station or a RACES station.

(b) Each application for a new amateur service license grant must be filed with the FCC as follows:

(1) Each candidate for an amateur radio operator license which requires the applicant to pass one or more examination elements must present the administering VEs with all information required by the rules prior to the examination. The VEs may collect all necessary information in any manner of their choosing, including creating their own forms.

(2) For a new club or military recreation station license grant, each applicant must present all information required by the rules to an amateur radio organization having tax-exempt status under section 501(c)(3) of the Internal Revenue Code of 1986 that provides voluntary, uncompensated and unreimbursed services in providing club and military recreation station call signs ("Club Station Call Sign Administrator") who must submit the information to the FCC in an electronic batch file. The Club Station Call Sign Administrator may collect the information required by these rules in any manner of their choosing, including creating their own forms. The Club Station Call Sign Administrator must retain the applicants information for at least 15 months and make it available to the FCC upon request. The FCC will issue public announcements listing the qualified organizations that have completed a pilot autogrant batch filing project and are authorized to serve as a Club Station Call Sign Administrator.

(c) No person shall obtain or attempt to obtain, or assist another person to obtain or attempt to obtain, an amateur service license grant by fraudulent means.

(d) One unique call sign will be shown on the license of each new primary, club, and military recreation station. The call sign will be selected by the sequential call sign system.

SHORT TAKES (By Jim Shepherd W6US)

CONTEST CALENDAR

There are several Parks on the Air (POTA) events this month. Florida will have lots of POTA activity on April 2 and 3, and Texas will hold their event on the 9th and 10th. If you are calling CQ and running, end you CQ with your callsign every time. Louisiana, Mississippi and Missouri QSO Parties are the first weekend in April. The North Dakota, Nebraska, New Mexico and Georgia will be holding their state QSO parties on April 9 and 10. Michigan and Ontario parties will be on the 16th and 17, and the inaugural running of the Quebec QSO party will be on the 17th. Finally, the last weekend, April 30 and May 1, Florida will have their QSO Party. These and other contests information can be found at

<https://www.contestcalendar.com/contestcal.html>

DX

The warmer weather is helping operations to pick up. Aland, Nepal, Azores, Norfolk Island, Botswana, and Maldives are just some of the featured DX operations this month. South America on 10 meters has been excellent and all hams can work 10M DX... More information can be found at <https://www.ng3k.com/Misc/adxo.html>

THIRD MONDAY ZOOM HAM RADIO NIGHT

We will have our popular Ham Radio Nights via ZOOM to get your questions answered. It will be held at 7pm on Monday, April 18th. More information, including the link will be published before that date.

NAME THAT RIG?

(Answer on page 11)



THE COMSTOCK MEMORIAL STATION, INC.

A NEVADA 501C3 NOT FOR PROFIT CLUB

W7RN K7RC

A UNIQUE INVITATION FOR SNARS MEMBERS

Regardless of your license grade, there is a unique gamut of challenges and experiences in the world of HF Radio. The spectrum from 1.8 to 30 MHz will open a new world to you that is affordable and practical for most Hams. This series of hands-on interactive workshops is offered to those who have not yet experienced HF and for those who are interested in learning the possibilities available on HF.

INTRODUCTION TO HF WORKSHOP

An overview of radios, antennas, propagation modes and on-the-air activities. Concentrations on topics requested by attendees. Opportunities to “get on the air” from the Comstock Memorial Station (AKA CMS) in Virginia City Highlands. **(Closed. Held Feb 19.)**

INTRODUCTION TO HF ANTENNAS WORKSHOP

All about antenna design, fabrication, and installation from a wire in the trees to Yagis and beyond. Concentrations on topics requested by attendees. Opportunities to “get on the air” From the Comstock Memorial Station. **(Closed. Held March 12.)**

INTRODUCTION TO HF EQUIPMENT WORKSHOP

An overview of radios, antennas, propagation modes and on-the-air activities. Concentrations on topics requested by attendees. Opportunities to “get on the air” from the Comstock Memorial Station. **(Open for registration.)**

INTRODUCTION TO DX, CONTESTING AND OTHER FUN ACTIVITIES

An overview of many of the activities available on-the air on HF. Concentrations on topics requested by attendees. Opportunities to “get on the air” from the Comstock Memorial Station in Virginia City Highlands. **(Not yet open for registration.)**

Each Workshop is limited to 8 people. Face masks are required. Please wear Your SARS nametag. There is no particular time limit for each workshop.

THE CHARTER OF THE CMS is to advance the art of Radiosport, to train new operators and provide a venue for highly motivated hams to advance their operating skills. Since the Pandemic, most on-site activities are limited. W7RN maintains three remote hosts to allow challenged hams to access the station from the Internet. www.w7rn.com

See <https://snars.org/intro-to-hf/> for more info, signup sheets

YOUTH INVOLVEMENT

SPRING CREEK, NV (ELKO AREA) BRINGS HAM RADIO INTO THE CLASSROOM



Kami K7SY (Math Teacher) at Spring Creek Middle School 3-24-2022 planning to install an HF Antenna OCF Dipole 10m - 80m

One of the teachers Kami (K7SY) at the middle school in Spring Creek, NV in the Elko area is active with over 2 dozen students daily for a 30-minute homeroom daily. Kami is orienting the youth to introduce amateur radio. For the next school year, they are planning to bring ham radio curriculum as a regular school course. Below are some resources from the ARRL classroom resources.



Kami K7SY (lower right) along with local hams Charles K7PRT (Left) & Kent K6IN (top right) are Elmering at Spring Creek Middle School. The shack gear consists of Kenwood TS-2000, Icom 735, Astron RS35A, TYT MD9600 Dual Bander, Kenwood KPS-15, Signal Link.

Why Amateur Radio in the Classroom?



The Spring Creek school ham radio project includes having kids build a direction-finding antenna to be used for an upcoming fox hunt transmitter (see white pvc with black antenna on the right of the picture)

Why Amateur Radio in the Classroom?



Amateur Radio is communication via a variety of methods across social, political, cultural, geographic and physical handicap boundaries. www.arrl.org/images/view/on_the_air_and_code_practice.jpg

Amateur Radio has long been fertile ground for gaining knowledge and skill with electronics technology, as well as for hands-on experimentation and application of technology. Using Amateur Radio in the classroom is a proven and effective way to teach both fact and theory and align with state and national learning objectives-- in STEM curricula-- as well as other content areas.



Amateur Radio integrates math, science, geography, reading and writing.

[www.arrl.org/images/view/Licensing_Education / crystal_radio_listening.jpg](http://www.arrl.org/images/view/Licensing_Education/crystal_radio_listening.jpg)

ARRL's Education & Technology Program provides resources and training to help teachers learn how basic electronics and radio science is applied in today's technologies, and how to bring this knowledge to their students. An overarching goal of the Program is wireless technology literacy, for teachers and students.

More Information from ARRL on Amateur Radio in the Classroom, visit

<http://www.arrl.org/amateur-radio-in-the-classroom>

Any questions about supporting the youth, contact Barry K6ST - k6st@arrl.net

ARRL Nevada Section Youth Coordinator

THE MOST IMPORTANT HAMFEST....



Saturday, May 21, 2022

Cabela's – East Parking Lot
8650 Boomtown Garson Road, Reno, NV

Seller Setup @7:00AM

\$10.00 Per Space

Open to Public @8:00AM

Free to Browse and Buy

Cabelas Opens @ 9AM

Shop the Famous Cabala's

Raffle Drawing @ 10AM

HT Radios and More



An ARRL Sanctioned Hamfest

Talk-In Frequency 147.210 + PL 100.0
DMR Talk Group: SNARS 31328

RenoHamSwap.com

Brought to you by the Sierra Nevada Amateur Radio Society – <http://snars.org>

Thanks to Tony Marcin W7XM and Jim Shepherd W6US for info on hamfests!



03/24/2022 From ARRL Headquarters

A Public Notice released by the Federal Communications Commission (FCC) on March 23, 2022, in MD Docket No. 20-270, announced that new application fees for Wireless Telecommunications Bureau applications will become effective on April 19, 2022. The new fees, mandated by Congress, apply to applications for

Amateur Radio licenses including those associated with filing Form 605, the Amateur Operator/Primary Station Licensee Application.

Effective April 19, 2022, a \$35 fee will apply to applications for a new Amateur Radio license, modification (upgrade and sequential call sign change), renewal, and vanity call signs.

Anticipating the implementation of the fee in 2022, the ARRL Board of Directors, at its July 2021 meeting, approved the "ARRL Youth Licensing Grant Program." Under the program, ARRL will cover a one-time \$35 application fee for license candidates younger than 18 years old for tests administered under the auspices of the ARRL Volunteer Examiner Coordinator (ARRL VEC). Qualified candidates also would pay a reduced exam session fee of \$5 to the ARRL VEC. ARRL is finalizing details for administering the program.

ARRL had filed comments in opposition to imposing a fee on Amateur Radio license applications. The FCC initially proposed a higher, \$50 fee. In a Report and Order (R&O), released on December 29, 2020, the amount was reduced -- the FCC agreeing with ARRL and other commenters that its proposed \$50 fee for certain amateur radio applications was "too high to account for the minimal staff involvement in these applications."

ARRL Volunteer Examiner Coordinator (ARRL VEC) Manager Maria Somma, AB1FM, explained that all fees are per application. "There will be no fee for administrative updates, such as a change of mail-

ing or email address. The fees will be the responsibility of the applicant regardless of filing method and must be paid within 10 calendar days of FCC's receipt of the application. For applications filed by a VEC, the period does not begin until the application is received by the Commission, a ULS file number assigned, and an email sent by the FCC directly to the applicant."

VECs and Volunteer Examiner (VE) teams will not collect the \$35 fee at license exam sessions. New and upgrade candidates at an exam session will continue to pay the \$15 exam session fee to the ARRL VE team as usual, and pay the new, \$35 application fee directly to the FCC by using the CORES FRN Registration system (CORES - Log-in).

When the FCC receives the examination information from the VEC, it will email a link with payment instructions to each successful candidate who then will have 10 calendar days from the date of the email to pay. After the fee is paid and the FCC has processed an application, examinees will receive a second email from the FCC with a link to their official license or explanation of other action. The link will be good for 30 days.

Somma also explained that applications that are processed and dismissed will not be entitled to a refund. This includes vanity call sign requests where the applicant does not receive the requested call sign. "The FCC staff has suggested that applicants for vanity call signs should first ensure the call signs requested are available and eligible for their operator class and area, and then request as many call signs as the form allows to maximize their chances of receiving a call sign."

Further information and instructions about the FCC Application Fee are available from the ARRL VEC at www.arrl.org/fcc-application-fee. Details for the ARRL Youth Licensing Grant Program will be similarly posted there, when available.

Valley of the Moon Amateur Radio Club
Presents

HAMFEST 2022

Saturday, April 23rd,
8:00 AM to 12:00 Noon

Featuring:

- Swap Meet (indoor and outdoor spaces)
- Breakfast (pancakes, sausage and eggs)
- VE Testing Session (advance registration required)
- Station Demos
- Fox Hunt
- And more!

First Congregational Church of Sonoma
252 W Spain St, Sonoma
Talk in on 145.350 MHz (88.5 PL)
For info: valleyofthemoonarc@gmail.com

Admission: FREE
Breakfast: \$8.00
<http://www.vomarc.org>



FUN STUFF FOR APRIL

Well if you like state QSO parties, April is the month! Count 'em, 11 states, plus two Canadian provinces! Just one ARRL/NCJ sponsored contest, the Rookie Roundup (in BOLD) on Apr 10.

2 1400 to 3 0200 1.8-144 Louisiana QSO Party CW Ph Dig
www.laqp.louisianacontestclub.org

2 1400 to 3 0200 1.8-144 Mississippi QSO Party CW Ph Dig
www.arrrl.org/sections/view/mississippi

2 1400 to 3 2000 1.8-UHF Missouri QSO Party CW Ph Dig
www.w0ma.org/index.php

9 1300 to 10 2200 1.8-UHF Nebraska QSO Party CW Ph
www.nebraskasoparty.com

9 1400 to 10 0200 1.8-144 New Mexico QSO Party CW Ph Dig
www.newmexicogsoparty.org

9 1800 to 10 1800 1.8-144 North Dakota QSO Party CW Ph
www.ndarrlsection.com

9 1800 to 10 2359 1.8-50 Georgia QSO Party CW Ph
www.gagsoparty.com

9 1300 to 10 2200 1.8-UHF Nebraska QSO Party CW Ph
www.nebraskasoparty.com

9 1400 to 10 0200 1.8-144 New Mexico QSO Party CW Ph Dig
www.newmexicogsoparty.org

10 1800 to 10 2359 3.5-28 ARRL Rookie Roundup, SSB Ph
www.arrrl.org/rookie-roundup

16 0900 to 17 2359 3.5-28 CQMM DX Contest CW www.cqmmcx.com/
[rules](http://www.cqmmcx.com/)

16 1600 to 17 0400 3.5-28 Michigan QSO Party CW Ph [www.miqp.org/](http://www.miqp.org/Rules.htm)
[Rules.htm](http://www.miqp.org/Rules.htm)

16 1800 to 17 1800 1.8-144 Ontario QSO Party CW Ph
www.va3cco.com/oqp/rules.htm

17 1200 to 17 2000 1.8-144 Quebec QSO Party CW Ph
www.wp1.quebecsoparty.org

23 0001 to 24 2359 28 10-10 International Spring Contest
www.ten-ten.org

30 1600 to 1 May 2159 7-28 Florida QSO Party CW Ph
www.floridasoparty.org/rules

Check out the rest here:

<http://www.arrrl.org/files/file/Contest%20Corral/2022/April%202022%20Corral.pdf>

If you're not into contests, there's always DX to chase! Lots of good stuff this month, Africa is prominent.

Apr 01 to Apr 09 and

Apr 22 to Apr 29	Aland Is	OH0EG
Apr 01 to Apr 15	Central African Rep	TL8AA
Apr 02 to Apr 23	Nepal	9N7MK
Apr 07 to Apr 20	Burkina Faso	XT2MAX

Apr 13 to Apr 27	Maldives	8Q7DX
Apr 15 to Apr 28	Austral Is	TX5N
Apr 28 to May 26	Botswana	A25VR

Check <https://www.ng3k.com/Misc/adxo.html> for updates on DXpeditions to make sure they're still a go and see other listings!

RENO QRP SLOW SPEED CW NET

NEXT NET SESSIONS (two of them) WILL BE April 14 and April 28, at 10 AM Pacific. Check with WD7Y@sbcglobal.net to confirm times. Target frequency 7.045 MHz, if busy search somewhere near that frequency.

THE FOLLOWING SHOULD ALWAYS BE IN YOUR REPORT:

NAME, RST, LOCATION, RIG, POWER, ANTENNA.

REMEMBER TO INCLUDE RST IN YOUR REPORT

Feel free to add something else in your exchange.

Take some time to report RST for other OP's or anything else that comes to mind.

Sharing information about you and your equipment will accomplish two things.

First It gives you and everybody else practice sending and copying.
Second It is nice to spend time on the air with your friends. Consider this a QRP meeting on the air.

Relax and have some airtime fun with your friends.

73/72 Ed/WD7Y

NAME THAT RIG (from page 6)

Most of you know that the "big three" from Japan—**Kenwood**, **Yaesu**, and **Icom**—make a wide assortment of Amateur band transceivers. But we often forget about the receivers made by them. Pictured on page 6 is the **Yaesu FR-100B**, from about 1965. This receiver was made to transceive with the FL-100B transmitter, although it will function nicely without the transmitter. Ten tubes plus a fair number of solid state devices made the **FR-100B** a "hybrid" unit, and a decent receiver for its time. Sensitivity was quite good, selectivity was OK for its vintage, and the variety of controls was enough to keep any knob twiddler happy. It covered from 80 through 10 meters in 7 bands, plus a WWV/JJY band (which actually does OK for a 30 meter receive), plus three additional positions for added coverage. The **FR-100B** would satisfy the needs of both SWLs and most hams in the day, although by today's standards, the selectivity leaves a lot to be desired. **Yaesu** made some 14 different HF receivers over four+ decades, most ham bands only, but several of the FRG group are general coverage. Plus they also made some "DC to daylight" HT-style receivers, plus a couple of VHF-UHF receivers. The other of the big 3 also made a fair number of receivers. Pictured below is the matching FL-100B transmitter for the **FR-100B**.



CHAMELEON ANTENNA, SPARKS NV, HAS TWO JOB OPENINGS!

PRODUCTION ASSISTANT - (FT) is currently open at Chameleon Antenna in Sparks, NV. This position will require a desire to learn a niche manufacturing market while rotating between the production and operations department. Veterans and amateur radio enthusiasts are strongly encouraged to apply.

What You Need:

Availability: Able to work day shifts Mon-Fri. Overtime or weekend shifts helpful but not required

Skills:

PC familiarity

- Enthusiasm for producing the highest quality products on the market Good work ethic with a positive team-building attitude
- Ability to work carefully while meeting deadlines Able to stand for extended periods (2-3 hours) Previous warehouse experience a plus!
- Prior knowledge or interest in manufacturing/electronics/radios helpful but not required
- Soldering skills a bonus
- Must have reliable transportation
- Ability to lift up to 50lbs. Applicants must be 18 years of age

Description:

- Build and assemble small components to create finished products
- Pick and pack orders according to bills of materials and customer or dealer specification
- Responsible for packaging stock of manufactured goods using light machinery, computers, and system tools Work with multiple teams in order to assist in daily, weekly, and monthly production goals
- Perform a variety of tasks and functions daily according to a defined job description at the end of 90 days

Chameleon Antenna offers its staff a safe and enjoyable workplace, a flexible schedule, sick pay, bonuses, on the job training, a great break area, and advancement within the company. Apply directly by sending an email with a resume or just tell us about yourself. We will hire the right person immediately.

Job Type: Full-time or part-time Salary Range: \$12.00 to \$16.00 /hour

WAREHOUSE LEAD - (FT) is currently open at Chameleon Antenna in Sparks, NV. This position will require a desire to learn a niche manufacturing market while overseeing general shipping activities and coordinating with the production and operations departments. This position offers advancement with benefits opportunities.

What You Need:

Availability: Able to work day shifts Mon-Fri. Overtime or weekend shifts helpful

Skills:

- Driven
- Detail-oriented
- Time management
- Previous supervisory role
- Enthusiasm for producing the highest quality products on the market
- 2-3 years previous shipping/warehouse experience
- High PC familiarity (Office/Outlook/ERP/Shipstation)
- Good work ethic with a positive team-building attitude
- Ability to work carefully while meeting deadlines
- Able to stand for extended periods (2-3 hours)
- Prior knowledge or interest in manufacturing/electronics/radios helpful but not required
- Must have reliable transportation
- Ability to lift up to 50lbs
- Applicants must be 18 years of age

Description:

- Use ERP system to manage workload, track orders, control inventory movements, and interpret production floor workflow and output
- Learn and demonstrate knowledge of the assembly and production of a variety of electronic accessories and products
- Responsible for overseeing kitting of manufactured goods
- Generate and execute daily shipping plan for D2C/eCommerce and vendor orders
- Read all shipping notices, orders, invoices, and other documents to manage priorities and ensure correct shipping methods are used
- Conduct regular inventory reconciliation to ensure adequate supplies to meet production goals
- Oversee and supervise warehouse employees and drivers to make sure all items are prepared, shipped, and received on time while complying with company policy (pre-shipment/pre-production inspections)
- Hiring and training of new shipping department staff
- Work with multiple teams in order to assist in daily, weekly, and monthly production goals
- Be aware of and enforce safety regulations
- Perform a variety of tasks and functions daily according to a defined job description at the end of 90 days

Job Type: FT Salary Range: \$14-\$16/hr.

Contact John Miller by phone, 775-344-9900, or email resume to manager@chameleonantenna.com

W7SSB's FUN STUFF

WOULD US COMMUNICATION SYSTEMS WORK IN A NUCLEAR WAR?

On July 8, 1962, the United States detonated a 1.4-megaton hydrogen bomb approximately 250 miles above Johnston Island in the Pacific Ocean. Hundreds of miles away in Honolulu street lights went out, power lines shut down, circuit breakers popped open, and burglar alarms began ringing. The cause involved a somewhat esoteric effect of nuclear explosions at high altitudes, with very down-to-earth consequences - the generation of an extremely powerful, short-duration pulse of electromagnetic energy. The potential chaos which an electromagnetic pulse (often referred to as EMP) can unleash in a nuclear war includes the possible crippling of the military's ability to control and communicate with its strategic nuclear forces.

A nuclear weapon must be exploded above the atmosphere, preferably at a height greater than 40 miles, to produce a significant effect over a large area. The higher the explosion, the larger the ground area radiated with electromagnetic energy. A weapon with an explosive force of one megaton detonated at a height of 300 miles above the central US would bathe the entire continental US as well as parts of Canada and Mexico with electric fields large enough to damage most modern unprotected electronic systems. Although the Pentagon has been aware of this effect for 20 years, almost a decade passed before the problem began to be seriously addressed. It is seen as all the more urgent now in light of rapidly changing electronics technology. At the time of the Johnston Island blast in 1962, most electronic circuitry still relied on vacuum tubes, which are a million times more resistant to this type of pulse than modern solid state electronics.

Today, however, the electronics revolution has made vacuum tubes almost obsolete, and their replacement by sensitive solid state circuitry has left many systems vulnerable to electromagnetic pulse. If a system with susceptible interior electronic components receives enough energy from the pulse, it may suffer either permanent damage or temporary impairment. The extent of electronic disruption may be widespread. The US is covered by a vast array of efficient collectors of electromagnetic energy: a huge grid of cables for power and telephone lines, metallic support towers, antennae, wiring, aluminum aircraft bodies, railroad tracks, and other unshielded metallic objects.

In a full-scale nuclear exchange, such damage to electronics will be the least of everyone's problems. Why then bother to worry about it at all?



As a kid in the 50's we used to have these drills at school.

Keep at least one vacuum tube station for back up !

Especially for LW/MW and SW listening . There will be government instructions broadcast to survivors? Problem is there might not be electrical power?

What Happens During a Nuclear Attack? If you are caught at Ground Zero of a nuclear attack, don't count on surviving. A one-

megaton hydrogen bomb would make a huge crater at the site. Every structure within a two-mile radius would be destroyed.

Temperatures would rise drastically from the nuclear bomb. At the center, temperatures would reach up to 500 *million* degrees Fahrenheit – vaporizing everything. People five miles away would be burned.

There would also be other immediate effects that make nuclear survival unlikely, such as firestorms raging as the oxygen is consumed from the air. The rising heat would cause hurricane-strong winds that would spread the fire further.

It would be theoretically possible to survive even close to the center of a nuclear blast. You'd need a structure that could withstand 50 pounds per inch, and it would mostly need to be underground. However, when talking about nuclear survival kits though, we are usually talking about **surviving nuclear fallout**.

What Is Fallout? The biggest threat to nuclear survival is fallout. Nuclear fission creates many types of radiation. None of them are "safe," but the ones that are most worrisome are gamma rays and neutrons.

Gamma rays and neutrons are much more deadly than the actual nuclear blast! Over time, they would kill more people – including those far outside of the blast site.

In the event of a land detonation, the particles of earth become radioactive and are thrown up into the sky, forming a mushroom cloud. These radioactive particles eventually come back to the ground, hence the name fallout.

A nuclear bomb that gets detonated in the air is actually much worse than a land detonation. It won't produce an ominous mushroom cloud, but the radioactive particles are released into the air. The wind carries them and they fall down on the earth in a much larger radius.

On a lighter note, we will be back to the beginning, please watch

https://www.youtube.com/watch?v=gSYmJur0Npw&ab_channel=Hammer

Stay tuned !
Don W7SSB

JUST IN!!! Ham & HiFi will be hosting a "\$5 Day" on Saturday, April 2nd. They have hundreds of small parts, accessories, trinkets, and restoration pieces that need to find a new home. With just a few exceptions, everything will be priced at just \$5. Donuts will be provided, so if nothing else... it's a free breakfast!

Ethan Brizendine (KG7LOV) - Owner
Ham and HiFi
www.hamandhifi.com

(From Don: The shop has more inventory with a lot of new in the box items than ever before! Lots of brand-new coax with fittings and different lengths! Ground straps! Come and see you won't believe it!)

ARES NEWS

EVENTS CALENDAR

EVENT 2022	DATE	DATE END	SPONSOR/ORGANIZER	COORDINATOR	CONTACT
Silver State 50/50 race	5/21/22		Silver State Striders	Steve KS6A	ks6a@sbcglobal.net
Stetina Paydirt	5/21/22		John Prouty; Bike Monkey	Bob Miller WA6MTY	wa6mtty@gbis.com
Truckee Dirt Fondo Bike Ride	6/11/22		John Prouty; Bike Monkey	Bob Miller WA6MTY	wa6mtty@gbis.com
Indian Valley Century Bicycle Ride	TBD		Plumas ARC	Larry Trotter KI6YUK	dltrotter@sbcglobal.net
America's Most Beautiful Bike Ride	6/5/22		Tahoe Amateur Radio Assn	Paul Gulbro, WA6EWV	wa6ewv@juno.com
Pony Express Re-Ride	6/6/2022	6/16/22	SIERA	Jeff Cauhape K7BCV	j_cauhape@yahoo.com
Alta Alpina Challenge	6/25/22		Alta Alpina Cycling Club	Jennie Hamiter, KE7YBA	jenniehamiter@mac.com
Running With the Bears	TBD		Plumas ARC	Larry Trotter KI6YUK	dltrotter@sbcglobal.net
Bear Grawl Gravel Grinder	TBD		Plumas ARC	KJ6CUG	dltrotter@sbcglobal.net
Lost and Found Gravel Grinder SBTS	6/22/22		Plumas ARC	Larry Trotter KI6YUK	dltrotter@sbcglobal.net
Death Ride	7/16/22		Tahoe Amateur Radio Assn	Paul Gulbro, WA6EWV	wa6ewv@juno.com
Tahoe Rim Trail	7/15/22	7/17/22	Tahoe Mountain Milers	Bob Miller WA6MTY	wa6mtty@gbis.com
Trailblazer Challenge (two events)	5/21/22, TBD		Make-A-Wish Foundation	Bob Miller WA6MTY	wa6mtty@gbis.com
Vegas to Reno Off Road Race	9/10/22	9/12/22	Best in the Desert Racing Assn	Keith KC7HTK	kc7htkeith@hotmail.com
Tour De Tahoe	9/11/22		Tahoe Amateur Radio Assn	Paul Gulbro, WA6EWV	wa6ewv@juno.com
Reno Air-Races	9/14/22	9/18/22	WC-ARES	Bob Miller WA6MTY	wa6mtty@gbis.com
Grinduro SBTS	TBD		Plumas ARC	Larry Trotter KI6YUK	dltrotter@sbcglobal.net
Nevada Day Parade	10/29/22		NV AREA NW DEC	John Abrott KD7NHC	jabrott77@gmail.com , cell 775 790-1739.
Sparks Turkey Trot	11/24/22		WC-ARES	Bob Miller WA6MTY	wa6mtty@gbis.com



STETINA PAYDIRT

May 21 is the **STETINA PAYDIRT** offroad gravel racing in Carson City.

MAP [Paydirt Long Course | 100.7 km Road Cycling Route on Strava](#)

There are 4 Aid Stations and one Water Station

Aid 1 Sedge Rd, **Aid 2** Brunswick Canyon, **Aid 3** Johnson Lane, **Aid 4** Genoa, **Water Station** Golf Club Dr (Accessible by Gravel Mtn Bike only).

Also need SAG Wagons:

SAGs should have room for perhaps an accompanying EMT or in the case of a non-ham driver, a radio operator in addition to room for two or more cyclists. They should be equipped with a means for carrying two or more gravel or mountain bikes, either hitch rack or roof rack is advised.

SAGs will flow with riders, in some cases they may need to go against the flow to address issues upstream. Most will probably be on course for most of the ride.

Reimbursement:

HAM SAGs will be able to apply for mileage at the non-profit/volunteer rate of 0.14/mile (as of this writing) and either receive a check or can have it donated to WCARES.

NON-HAM SAGS will be provided a \$100 stipend for the day, but no mileage. They may also elect to donate to WCARES in lieu of receiving it.

Also looking for Ride-A-Long mobile operators to ride with any SAGs that are NOT Ham Operators to provide communications.

If you want to help with this event, contact Bob WA6MTY at wa6mtty@gbis.com 775 843-5952

TRAIL BLAZE CHALLENGE

Also on May 21 is the Make-A-Wish Trailblaze Challenge who needs communications from 4 Aid Stations to the Finish line for emergency communications. A walk from Spooner Summit down to Kingsbury Trailhead.

MAP: [MapBroch_SS to KBS 20.indd \(tahoerimtrail.org\)](#)

If you want to help with this event, contact Arlan KA7ZAU ka7zau@yahoo.com 775 233-3530

Bob Miller WA6MTY
Emergency Coordinator for Washoe County
Amateur Radio Emergency Service
775 843-5952
www.wcares.us
wa6mtty@gbis.com

PHOTOS FROM THE ANTENNA CLASS AT W7RN



KK7COH's first HF QSO



KJ7TKR's first HF QSO

W7RN Confirming Two-Way QSO With:

MHz	UTC Date	UTC Time	Mode	RST

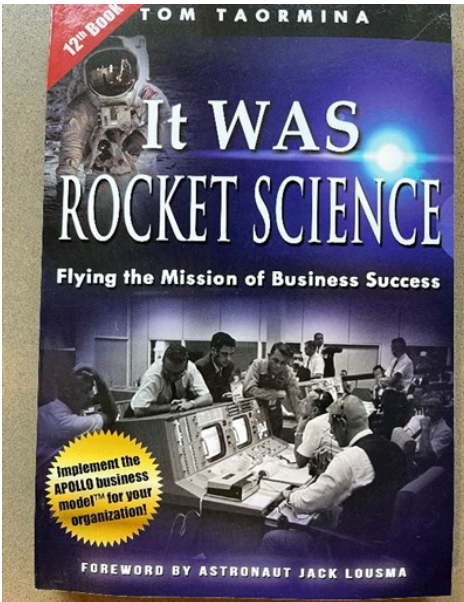
The Comstock Memorial Station is dedicated to the memory of N5JJ, K5LZO, I2UIV, W1FZJ and 9M1MM. It is located at 6,500' AMS near Historic Virginia City, Nevada. Grid DM09 Storey County Tex-X#75605

Station:
5 x Elecraft K3, FT847 & FT736R (VHF)
6 x Emtron Amp, KPA-500
160M - 144M QRP, 2 x DNE-450 RX Array
#1-125' Monopole - 2el 40, 6/6/6/6 10M
#2-35' Twin-Sel 20, 6el 10, 7el 8
#3-175' Monopole - 3/3 80M, 6/6/6/6 15M
#4-35' Twin - 6el 15, 6el 10, 7el 6M
#5-140' Twin - 6/4 20M, 6el 15
#6-35' Twin - VHF/UHF
#7-140' Twin - 4/4 40M
#8-45' Twin - 6el 20M

Verified by:
No Reply Needed



W7RN QSL card



K5SRC's 12th book



W7RN 125ft rotating mono-
pole: x4 6 element 10M
beams with x2 elements 40M
at top



W7RN moonbounce antenna



W7RN 20M tower w 40ft rotator and x3
40M beams; 15M beam at top and 30M
Yagi 10MHz

All photos this page
courtesy of Tom Resk
KJ7TKR



KJ7TDD holding an UNUN, a 100
ferrite bead choke to attenuate
power out of the coax



Antenna Workshop attendees

COMMENTS FROM TOM K5RC AFTER THE ANTENNA CLASS AT W7RN

The Second Workshop at W7RN

Once again, we managed to stay engaged and enthusiastic for five hours! The focus of the second workshop was antenna theory and design, although we covered the gamut of ham radio basics. The questions were enthusiastic and to the point.

The need for ongoing training of the attendees is critical to their future in the hobby. We can't let these sessions replace each of them finding Elmer's within SNARS to work with them on a regular basis to help them with antennas, radios and, especially, on the air operating skills.

I would help, but I don't travel anymore, however, Jim, K16WJ, came to the session and volunteered his services. The attendees wrote down his phone number, but we can't overload Jim!

Santiago, KK7BKV – Santiago is brand new to the hobby, but eager to learn. He is Extra class and ready to get on HF. He will be invited back to gain some operating experience.

Clifford, KJ7TDD – Clifford need help setting up his home station. He is General class and has equipment and antennas. He has graduated the first two HF Workshops and needs an Elmer to help him get his station on the air.

Greg, N7SAX – Greg has a station and HF antennas. He has graduated the first two HF Workshops and needs an Elmer to help him get his station tweaked.

Randy, K7ZTF – Randy is Technician class and can benefit from more mentoring and hands-on experience. He had to leave early so I did not get to ask him what his short-term goals are.

John, KG7LBY – John is apartment-bound and has a very simple HF station setup. He is interested in SOTA and POTA and needs an Elmer who is experienced in these operations.

Garrett, KK7CDH – Garrett is a ball of fire. He reminds me of myself in my early days of ham radio, eager to soak up every kernel of knowledge about ham radio theory, construction and operating. He made his first HF contact ever and learned some of the realities of intentional QRM and having stations CQ on his frequency without checking if the frequency was in use. Garrett will be invited back for more operating time.

Tom, KJ7TKR – This was Tom's second session and gave him the opportunity to make his first HF QSO ever. He too was exposed to some of the less desirable aspects of HF operating. Tom has volunteered to join our ground crew when we have antenna work and will have ongoing opportunities to operate.

Follow-up From the February Session

Tom, WA9ETO – Tom has a local remote operation in the Highlands and has also been invited to ground crew for W7RN.

Chuck, KK7BKS – Haven't heard from Chuck. I hope he has found an Elmer in SNARS.

Jack, K7AJR - Haven't heard from Jack. I hope he has found an Elmer in SNARS.

For the SNARS membership, if you have the skills and are willing to help others become active on HF, please do so. We need to perpetuate the hobby, tutor operators in the operating skills and history of ham radio and contribute to the emergency communications required by our license grants. We need to be ready for "When all else fails." Next Session, April 9th.

K5RC

HAM RADIO NIGHT

3rd Monday of each month at 7PM PT on Zoom
Join together and Elmer each other for Ham Radio Night on
MONDAY, APRIL 18, 2022, 7PM

The topic smaller breakout groups will be: **CLEAR NODE**

ANALOG VHF/UHF DMR/FUSION CONTESTING

Each participant can move themselves around to different breakout topics in zoom conferencing to enjoy.

If you have any questions or would like to be of service as an Elmer, please contact K6ST Barry k6st@arrl.net



Register below for our next Ham Radio Tech Night, SNARS (virtual on Zoom conferencing) April 18, 2022, 7:00PM PST
<https://us06web.zoom.us/meeting/register/tZ0qf-6prjMtGtz-Eo76F8b3eIKl45z6JP4z>



Board of Directors Meeting Minutes

March 9, 2022 - 6:00PM

At Chin Chin plus Zoom

1. Call to order and roll call at 6:00 PM

Board of Directors:

Anthony Marcin, W7XM	P	Barry Bettman, K6ST	P	John Miller, N7JDM	P
Bill Jones, AE7OX	P	John Byerly, N7ROJ	NP	Wes Vick, KG7QXE	NP
Jim Shepherd, W6US	P	Doug Edmondo, W7DBE	P		
		(Scribe)			

2. Approval of Minutes - Discussion/Action

The February 2022 meeting minutes were approved

3. Approval of Agenda - Discussion/Action

The agenda was approved

4. Reports

A. President's Report – In person meeting being finalized with the Hotel. Issue is room size and potential bill for extra space for a small number of people. The club should also thank the county for the recent equipment donation (Duplexers)

B. Secretary Report – State filings due in May, Meeting survey results coming back in, center of town and a meeting over breakfast were driving initial results.

C. Treasurer – February 2022 End of Month, Operating: \$10,562, Savings: \$10,474, Self Insurance: \$13,920, Paypal: \$1,414, Convention: \$4,212. Net Monthly \$3,499, net YTD: (\$6,657) due to repeater purchases. Memberships 25, Donations year to date \$2,619 (Amazon \$0, Members \$2,603, Paypal \$16)

Notes:

Transferred \$250 from operating to self insurance

Transferred \$125 from operating to savings

Invoice for lower Peavine user is late – The club will send a reminder.

A proposed budget for 2022 is ready for board review and approval

D. Technical Team – Pat / John

Repeater Upgrade – No status, awaiting access to the sites. No other report. Recent snowfall may delay Toulon and Winnemucca.

E. Control Operators / Trustee

None

F. Events

1. Field Day – Nothing yet
2. Ham Swap – May 21st at 0800. Coffee and Donuts by the Dodges
3. NV QSO Party – Working on Web entry for logs, saves time but there is some up front work. Jim is also thinking of doing a VHF/UHF sprint this summer.

club

G. Education & Youth Activities

Had a good POTA / SOTA presentation at the last meeting. Will have a room for further discussion at the next tech night. Nothing new on youth activities or UNR, still advertising. For April we have Bob Heil on queue as our guest speaker.

H. Noon Net – Nothing to report.

5. Old Business

In Person Meetings – see president's report, still working on reducing costs / firming up

6. New Business

- A. Card or letter to county – John M will handle.
- B. Club Swag; old inventory and need to look at suppliers and new stock. Would like to see a better program. Julie is working on the inventory and John Miller will look at suppliers and pricing.

7. Board member and Public Comments

- A. Doug E. – Looking forward to upcoming events.
- B. John M. - Maybe nicer prizes at events.
- C. Jim S. - 10m is open; need to encourage Technicians to get on the band where they have privileges
- D. Bill J. - In person meeting, door prizes, antennas from Chameleon etc.
- E. Tony – Nothing
- F. Barry – Look at meeting frequency.

8. Adjournment - Action

- A. Next Meeting: April 13th, 2022. Location Chin Chin plus Zoom
- B. Meeting adjourned at 18:59